7th Grade Science

Friday, Oct. 11th 2011

Unit: Genetics

Objective / TEK:

7.14 (A,B,C)

**LSM-PE.5.1.1, LSM-PE.5.1.2, LSM-PE.5.1.3, LSM-PE.5.2.1**

**LSM-PE.5.2.4,**

Lesson: Students will…..

Take notes over lecture:

1. Organisms can be divided into two groups, prokaryotes (without a nucleus) and

eukaryotes (with a nucleus),

2. Organisms can reproduce asexually (prokaryotes) and sexually (eukaryotes).

3. During reproduction, genetic instructions are copied and passed on to offspring.

4. DNA is ultimately responsible for the traits passed on to offspring.

5. Dominance determines phenotypes of the offspring. A phenotype is the outward

expression of a trait.

6. Gregor Mendel is the father of genetics, and developed the Laws of Heredity.

7. DNA was discovered by James Watson and Francis Crick based on the studies of

Rosalind Franklin.

Closure:

Questions over the material covered in class